Amendments to the Claims

Please amend the claims as follows:

1.   (Currently amended) A computer-readable medium having computer-executable instructions ~~implemented method~~ comprising:

querying a first server for a location of a second server, the second server comprising update ~~containing~~ information associated with an executable; ~~and~~

linking the first server to the second server;

querying the second server for the update information; ~~associated with the executable~~

receiving the update information from the second server; and

updating software associated with the executable based on the update information.

2.   (Currently amended) The computer-readable medium ~~method~~ of claim 1, wherein querying a first server further comprises ~~for a location of a second server includes~~ providing a path to a look up HyperText Transfer Protocol (HTTP) symbol location server.

3.   (Currently amended) The computer-readable medium ~~method~~ of claim 1 ~~2~~, wherein querying a first server further comprises ~~for a location of a second server includes~~ querying a Dynamic Host Configuration Protocol (DHCP) server ~~as the lookup HTTP server~~ and requesting ~~a number of~~ Uniform Resource Identifiers (URLs) to ~~for composing an appropriate~~ query ~~for querying~~ the second server for the update information ~~associated with the executable~~.

4.   (Currently amended) The computer-readable medium ~~method~~ of claim 1 ~~2~~, wherein querying a first server further comprises ~~for a location of a second server containing information associated with an executable includes~~ querying a Domain Name System (DNS) server ~~as the lookup server~~ for a service (SRV) record identifying the second server to be queried.

5.   (Currently amended) The computer-readable medium ~~method~~ of claim 1 ~~2~~, wherein querying a first server further comprises ~~for a location of a second server containing~~

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~~information associated with an executable includes~~ querying a directory service <u>for</u> ~~to return~~ the location of the second server.

6.   (Currently amended)   The <u>computer-readable medium</u> ~~method~~ of claim 1, wherein querying a first server <u>further comprises</u> ~~for a location of a second server containing information associated with an executable includes~~ querying an Application Configuration Access Protocol (ACAP) server for the location of the second server.

7.   (Currently amended)   The <u>computer-readable medium</u> ~~method~~ of claim 1, wherein querying a first server <u>further comprises</u> ~~for a location of a second server containing information associated with an executable includes~~ querying a Lightweight Directory Access Protocol (LDAP) server for the location of the second server.

8.   (Currently amended)   A computer<u>-readable medium having computer-executable</u> instructions <u>implemented</u> ~~method~~ comprising:

        <u>creating a path to a symbol location server without registering the path in an</u> <u>environment variable;</u>

        querying <u>the</u> ~~a set of~~ symbol location <u>server</u> ~~servers~~ <u>through the path</u> for ~~a set of~~ symbols associated with a local file<u>, wherein the path is created based on the type of symbols;</u> ~~and~~

        receiving the ~~set of~~ symbols from the ~~set of~~ symbol location <u>server</u> ~~servers~~ <u>through the path; and</u>

        <u>updating software associated with the local file based on the received symbols.</u>

9.   (Currently amended)   The <u>computer-readable medium</u> ~~method~~ of claim 8, wherein querying the ~~set of~~ <u>symbol location server</u> ~~servers~~ <u>further comprises</u> ~~for a set of symbols includes~~ querying the ~~set of~~ <u>symbol location server</u> ~~servers~~ with a unique identifier composed of different values from an image header extracted from <u>the</u> ~~a~~ local file.

10.   (Currently amended) The computer-readable medium method of claim 9, wherein the unique identifier comprises composed of different values from an image header includes values which are not won't be replicated between differing versions of the local file.

11.   (Currently amended) The computer-readable medium method of claim 8, wherein receiving the a set of symbols further comprises includes receiving a file set of files comprising containing the symbols, wherein the file is files can be stored in to a local system memory.

12.   (Currently amended) The computer-readable medium method of claim 8, wherein querying the a set of symbol location server servers further comprises for a set of symbols associated with a local file includes querying the a set of symbol location server servers with a user customized query which extracts can extract over a back end store.

13.   (Currently amended) A computer-readable medium having computer-executable instructions implemented method comprising:

creating a path to a first server comprising location information for a second server comprising update information associated with an executable without registering the path with an environment variable;

querying the first server through the path for the update information a set of servers containing location information for a second server having information associated with an executable; and

receiving the update a set of information from the first server set of servers through the path; and

updating software associated with the executable based on the update information.

14.   (Currently amended) The computer-readable medium method of claim 13, wherein receiving a set of the update information further comprises includes receiving a set of reference location locations on the second server which is can be used to access a file number of files associated with the executable on the second server associated with the executable.

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15.   (Currently amended) The computer-readable medium method of claim 13, wherein querying the first server further comprises set of servers includes querying a server list of servers selected from a the group consisting of a DHCP server, a DNS server, an ACAP server, and a LDAP server.

16.   (Currently amended) The computer-readable medium method of claim 15, wherein querying the first server further comprises list of servers includes querying a set the list of servers in parallel.

17.   (Currently amended) The computer-readable medium method of claim 15, wherein querying the first server further comprises list of servers includes querying a set the list of servers in a serial order.

18.   (Currently amended) The computer-readable medium method of claim 13, wherein querying the first server further comprises a set of servers containing location information for a second server having information associated with an executable includes packaging a set of information extracted from the executable into a HyperText Transfer Protocol (HTTP) request and sending the HTTP request to the first server set of servers.

19.   (Currently amended) A computer-readable medium having computer-executable instructions implemented method comprising:

querying a first server comprising set of servers containing location information for a second server comprising update having information associated with an executable;
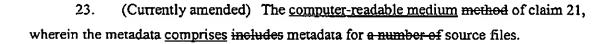
receiving the location information for the second server from the first server set of servers; and

creating a path to the second server based on the type of update information without registering the path in an environment variable;

querying the second server through the path for the update information associated with the executable using a syntax based on the location information; and

updating software associated with the executable based on the update information received for the second server.

20.   (Currently amended) The computer-readable medium method of claim 19,
wherein querying a first server further comprises set of servers containing location information
for a second server having information associated with an executable includes querying the first
server set of servers using metadata associated with the executable.

21.   (Currently amended) The computer-readable medium method of claim 19,
wherein querying the second server further comprises for the information associated with the
executable includes querying the second server using metadata associated with the executable.

22.   (Currently amended) The computer-readable medium method of claim 21,
wherein the metadata comprises includes metadata for a number of debug files.

23.   (Currently amended) The computer-readable medium method of claim 21,
wherein the metadata comprises includes metadata for a number of source files.

24.   (Currently amended) The computer-readable medium method of claim 19,
wherein querying the second server further comprises for the information associated with the
executable includes querying the second server for symbols associated with the executable file.

25.   (Currently amended) The computer-readable medium method of claim 19,
wherein querying the second server further comprises for the information associated with the
executable includes querying the second server for regression analysis data associated with the
executable file.

26.   (Currently amended) The computer-readable medium method of claim 19,
wherein querying the second server further comprises for the information associated with the
executable includes querying the second server for performance analysis data associated with the
executable file.

27.   (Currently amended) The computer-readable medium method of claim 19,
wherein querying the second server further comprises for the information associated with the

~~executable includes~~ querying the second server for source code associated with the executable file.

28.   (Currently amended) The computer-readable medium ~~method~~ of claim 19, wherein querying the second server further comprises ~~for the information associated with the executable includes~~ receiving ~~a number of~~ files comprising ~~containing~~ the update information ~~associated with the executable file~~.

29.   (Currently amended) A computer-readable medium having computer-executable instructions ~~method~~ for updating a software program associated with an executable file ~~locating information associated with an executable file~~ comprising:
        packaging metadata extracted from the executable file into an HTTP request;
        creating a path to a locator server without registering the path with an environment variable, the locator server comprising location information for a server on which update information associated with the executable is located;
        sending through the path the HTTP request to the ~~a set of~~ locator server ~~servers containing location information for a server on which the information associated with the executable is located; and~~
        receiving the update ~~a set of~~ information ~~back~~ from the ~~set of~~ locator server ~~servers~~ through the path; and
        updating the software program associated with the executable file based on the update information.

30.   (Currently amended) The computer-readable medium ~~method~~ of claim 29, wherein packaging metadata further comprises ~~extracted from the executable file into an HTTP request includes~~ packaging metadata to locate an updated version of the executable file.

31.   (Currently amended) The computer-readable medium ~~method~~ of claim 29, wherein packaging metadata further comprises ~~extracted from the executable file into an HTTP request includes~~ packaging metadata for locating a debug file associated with the executable file.

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32. (Currently amended) The computer-readable medium method of claim 29, wherein packaging metadata further comprises extracted from the executable file into an HTTP request includes packaging metadata to locate a specific build version of the executable file.

33. (Currently amended) The computer-readable medium method of claim 29, wherein receiving a set of the update information further comprises back from the set of locator servers includes receiving an HTTP redirect to the information associated with the executable file.

34. (Currently amended) The computer-readable medium method of claim 29, wherein receiving a set of the update information further comprises back from the set of locator servers includes receiving a location of the a server on which the update information associated with the executable is located, and wherein the method further includes querying the server with a number of unique identifier identifiers for the update information associated with the executable file.

35. (Currently amended) The computer-readable medium method of claim 34, wherein querying the server further comprises with a number of unique identifiers for the information associated with the executable file further includes providing an a number of additional qualifier qualifiers.

36. (Currently amended) A computerized system, comprising:
a first server comprising containing location information for update information associated with a local file;
a second server comprising containing the update information associated with the local file, wherein the first server is linked to the second server through a path that is created based on the type of update information without registering the path with an environment variable, and further wherein the first server receives the update information from the second server through the path; and

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a computer comprising ~~having~~ a ~~number of~~ local file ~~files,; and~~ wherein the first

server provides the update ~~a set of~~ information ~~on the second server~~ to the computer such that

software associated with the local file is updated based on the update information.

37.   (Currently amended) The system of claim 36, wherein the update ~~set of~~
information comprises debug information ~~provided to the computer by the first server includes~~
~~the location information for the second server which can be used by the computer to query the~~
~~second server.~~

38.   (Currently amended) The system of claim 36, wherein the update ~~set of~~
information comprises solution access information ~~provided to the computer by the first server~~
~~includes the information associated with the local file.~~

39.   (Currently amended) The system of claim 36, wherein the computer reads ~~can~~
~~read~~ the update information ~~associated with the local file directly~~ from the second server.

40.   (Currently amended) The system of claim 36, wherein the first server comprises
~~includes~~ a HyperText Transfer Protocol (HTTP) server.

41.   (Currently amended) The system of claim 40, wherein the HTTP server
comprises ~~containing location information for information associated with a local file includes~~ a
Dynamic Host Configuration Protocol (DHCP) server having ~~a number of~~ Uniform Resource
Identifiers (URIs) for querying the second server ~~containing the information associated with the~~
~~local file.~~

42.   (Currently amended) The system of claim 40, wherein the HTTP server
comprises ~~containing location information for information associated with a local file includes~~ a
Domain Name System (DNS) server having a service (SRV) record for identifying the second
server ~~containing the information associated with the local file.~~

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43. (Currently amended) The system of claim 40, wherein the HTTP server comprises ~~containing location information for information associated with a local file includes an HTTP server having~~ a directory service <u>for providing</u> ~~adapted to provide~~ the location information for <u>the update</u> information ~~associated with the local file~~ to the computer.

44. (Currently amended) The system of claim 36, wherein the first server <u>comprises</u> ~~includes~~ an Application Configuration Access Protocol (ACAP) server ~~adapted to provide the set of information on the second server to the computer~~.

45. (Currently amended) The system of claim 36, wherein the first server <u>comprises</u> ~~includes~~ a Lightweight Directory Access Protocol (LDAP) server ~~adapted to provide the set of information on the second server to the computer~~.

46. (Currently amended) The system of claim 36, wherein the computer ~~having a number of local files~~ is networked to the first and the second servers over the Internet.

47. (Currently amended) A computerized system, comprising:

a first server <u>comprising</u> ~~containing~~ location information for <u>update</u> information <u>associated with</u> ~~on~~ an executable file;

a second server <u>comprising</u> ~~containing~~ the <u>update</u> information ~~on the executable file~~, <u>wherein the first server is linked to the second server through a path that is created based on the type of update information without registering the path with an environment variable;</u> and

a computer <u>comprising the</u> ~~having a number of~~ executable <u>file,</u> ~~files; and~~ wherein the first server is adapted to provide the computer with the location information ~~of the second server~~, <u>and further wherein the computer uses</u> the location information ~~which can be used~~ to query the second server <u>through the path</u> for the <u>update</u> information ~~associated with the executable file~~ <u>such that software associated with the executable file is updated based on the update information.</u>

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48. (Currently amended) The system of claim 47, wherein the first server is ~~includes~~ ~~a first server~~ selected from a ~~the~~ group consisting of a DHCP server, a DNS server, an ACAP server, and a LDAP server.

49. (Currently amended) The system of claim 47, wherein the computer is configured to query ~~a number of different tiers or multiple levels in~~ a hierarchy of first servers in a serial order.

50. (Currently amended) The system of claim 47, wherein the computer is configured to query ~~a number of different tiers or multiple levels in~~ a hierarchy of first servers in a parallel order.

51. (Currently amended) The system of claim 47, wherein the update information comprises solution access information ~~second server containing the information on the executable file includes information on at least one of the number of executable files on the computer~~.

52. (Currently amended) The system of claim 47, wherein the computer is configured to query the second server, in an HTTP request format, for the update information ~~associated with the executable file~~ using a qualifier ~~number of qualifiers~~ associated with ~~premised on at least one of~~ the ~~number of~~ executable file ~~files on the computer~~.

53. (Currently amended) The system of claim 47, wherein the query to the second server is performed using ~~for the information associated with the executable file includes~~ metadata extracted from the executable file.

54. (Currently amended) The system of claim 53, wherein the metadata extracted from the executable file comprises ~~includes~~ metadata for a debug file associated with the executable.

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55.   (Currently amended) The system of claim 53, wherein the metadata extracted from the executable file <u>comprises</u> ~~includes~~ metadata associated with regression analysis data for the executable file.

56.   (Currently amended) A computer readable medium having computer executable instructions to cause a computing system to perform a method <u>for updating software associated with an executable file,</u> comprising:

      <u>creating a path from a lookup server to a server having update information associated with the executable file based on the type of update information without registering the path with an environment variable;</u>

      using <u>the</u> ~~a~~ lookup server to identify ~~a set of~~ location information for <u>the</u> ~~a~~ server having <u>the update</u> information ~~associated with an executable file,~~ based on metadata extracted from the executable file; ~~and~~

      packaging an HTTP query for retrieving the <u>update</u> information ~~associated with the executable file~~ <u>through the path;</u>

      <u>retrieving the update information; and</u>

      <u>updating the software associated with the executable file based on the update information.</u>

57.   (Currently amended) The method of claim 56, wherein using the lookup server <u>further comprises</u> ~~to identify a set of location information for a server having information associated with an executable file includes~~ providing a response to a requesting client from the lookup server.

58.   (Currently amended) The method of claim 57, wherein providing a response <u>further comprises forwarding</u> ~~to a requesting client includes returning~~ the ~~set of~~ location information ~~on the server having information associated with an executable file~~ to the requesting client as an HTTP redirect.

59.   (Currently amended) A method for <u>updating software</u> ~~locating information~~ associated with a local file, comprising:

packaging metadata extracted from the local file into an HTTP request <u>to obtain</u> <u>information associated with the local file</u>;

sending the HTTP request to a ~~set of~~ locator <u>server</u> ~~servers containing location~~ ~~information for information associated with the local file~~;

receiving <u>location</u> ~~a set of~~ information ~~back~~ from the ~~set of~~ locator <u>server</u> ~~servers~~; ~~and~~

packaging an HTTP query for retrieving the information associated with the local file based on the <u>location</u> ~~set of~~ information<u>; and</u> ~~received back from the set of locator servers~~

<u>updating the software associated with the local file based on the information</u> <u>associated with the local file.</u>

60.   (Currently amended) The method of claim 59, wherein packaging <u>the</u> ~~an~~ HTTP query <u>further comprises</u> ~~for retrieving information associated with the local file further includes~~ qualifying the HTTP query to select a specific file version from <u>the</u> ~~among~~ information associated with the local file.

61.   (Currently amended) The method of claim 60, wherein qualifying the HTTP query <u>further comprises</u> ~~to select a specific file version from among the information associated~~ ~~with the local file includes~~ qualifying the HTTP query to select an updated file version <u>associated with the local</u> ~~of an executable~~ file.

62.   (Currently amended) The method of claim 60, wherein qualifying the HTTP query <u>further comprises</u> ~~to select a specific file version from among the information associated~~ ~~with the local file includes~~ qualifying the HTTP query to select a specific debug file associated with <u>the</u> ~~a~~ local ~~executable~~ file.

63.   (Currently amended) A server architecture, comprising;
a first server<u>,</u> ~~the first server including~~;
<u>a second server linked to the first server, wherein the second server comprises</u> <u>update information associated with an executable file;</u>

means for interpreting metadata associated with the ~~an~~ executable file received by the first server from a remote client; ~~and~~

means for redirecting the remote client to the ~~a~~ second server ~~containing information associated with the executable file; and~~ wherein the ~~a~~ second server is adapted to interpret ~~interpreting~~ a query from the remote client for retrieving ~~a specific file from among~~ the update information ~~associated with the executable file;~~ and

means for updating software associated with the executable file based on the update information.

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